Report

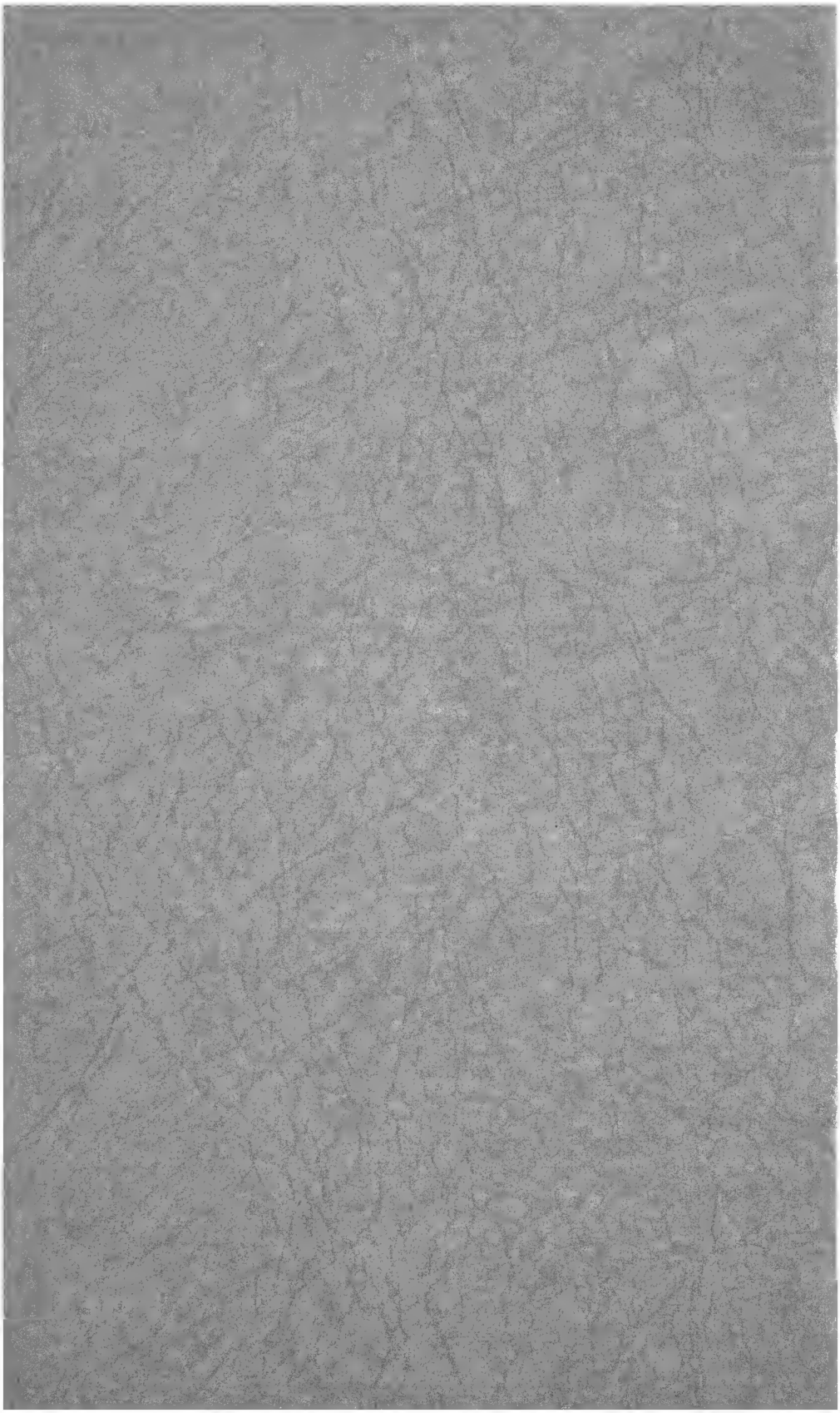
of the

Local Board of Health

THE CITY OF EDMONTON

ALBERTA

1948



BOARD OF HEALTH, 1948

Ald. C. E. Gariepy, Chairman

Dr. R. M. Shaw — Ald. G. E. Gleave — Dr. E. A. Hay Roe

Dr. G. H. Brown, Edmonton Public School Board

Mr. J. A. Gallant, Separate School Board

EX-OFFICIO MEMBERS

Mayor H. D. Ainlay

Dr. G. M. Little, M.O.H. — Mr. A. W. Haddow, City Engineer

Catharine R. Rose, Secretary

1949

Dr. G. H. Brown, Chairman

Dr. R. M. Shaw — Ald. G. E. Gleave — Dr. D. R. Easton

Ald. H. E. Tanner

Dr. G. H. Brown, Edmonton Public School Board

Mr. J. A. Gallant, Separate School Board

EX-OFFICIO MEMBERS

Mayor H. D. Ainlay

Dr. G. M. Little, M.O.H. — Mr. A. W. Haddow, City Engineer

Catharine R. Rose, Secretary

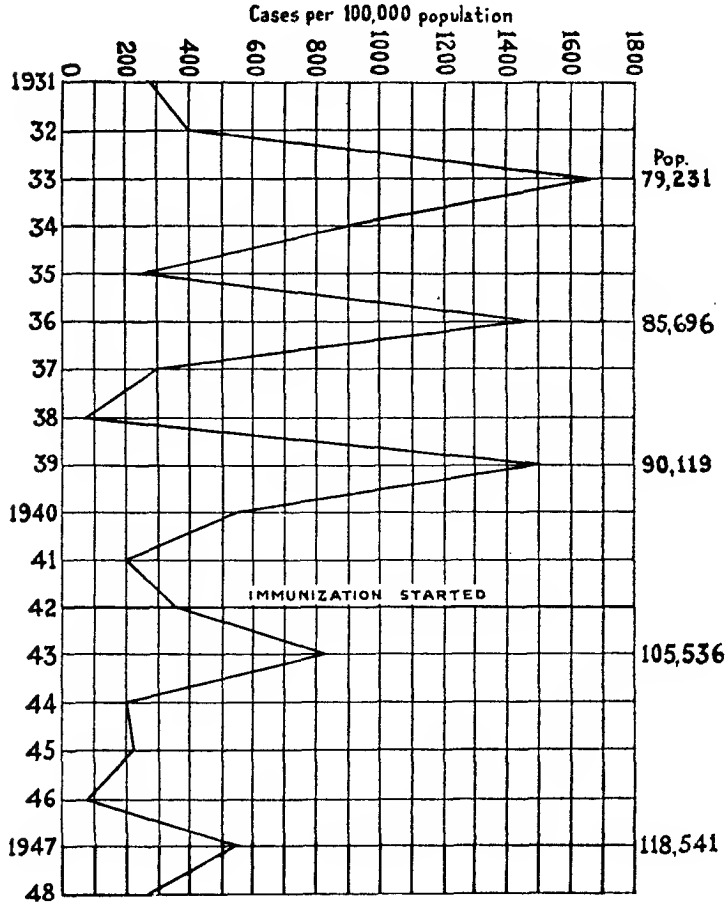
STAFF

Medical Officer of Health	G. M. Little, M.D., D.P.H.
Secretary, Board of Health	Rose, Miss C. R.
Public Health Nurse, Sr.	Griffith, Miss M., R.N.
Public Health Nurse, Sr.	Christensen, Miss S. C., R.N.
Public Health Nurse, Sr.	Thompson, Miss M. E., R.N.
Public Health Nurse	Lea, Miss T., R.N.
Public Health Nurse	Lesik, Mrs. R., R.N.
Public Health Nurse	Macleod, Miss J., R.N.
Chief Sanitary Inspector	Methuen, A. P., M.R., San. I.
Sr. Sanitary Inspector	Alexander, L. G., C.I.S. (C.)
Sanitary Inspector	Chase, H. G., C.I.S. (C.)
Sanitary Inspector	Hill, G. B., C.I.S. (C.)
Sanitary Inspector	Kent, Wm., C.I.S. (C.)
Sanitary Inspector	Overton, L. B., C.I.S. (C.)
Sanitary Inspector	Powell, E. C., C.I.S. (C.)
Meat Inspector	Morrison, Dr. D. M., V.S.
Dairy Supervisor	Ellinger, C.
Chemist and Milk Inspector	Graham, H. C., B.A.
Milk Inspector and Technician	Meredith, R. B., C.I.S. (C.)
Stenographer, Sr.	Derbyshire, Miss K. D.
Stenographer	Chernichen, Miss M.
Stenographer	Craig, Miss I.
Clerk	Lang, Miss F.

CONTENTS:

WHOOPING COUGH MORBIDITY

Edmonton, 1931-1948



This disease has been characterized by a high peak of incidence every third year until Sauer-type vaccine was introduced in 1942. Since that time these peaks are markedly lowered and are farther apart. This has occurred during a period of rapid increase and overcrowding in our population.

Annual Report of the Medical Officer of Health

Chairman and Members,
Local Board of Health,
Edmonton, Alberta.

Gentlemen:

Herewith is submitted a report of the activities of our Board and certain related health agencies of the year 1948.

Births:

Resident births showed a small increase over those of 1947. This increase, however, was obviously due to our increasing population, as the birth rate per 1,000 population presented the first decrease in the past five years.

Deaths:

The general death rate showed a slight increase. This was due chiefly to increases in the three principal causes of death; i.e. heart disease, cancer and intracranial lesions of vascular origin. These are principally diseases of later life, and with a greater percentage of our population surviving to this period, an increased death rate from such causes is not unexpected. The rate of increase would have been more marked but for the great influx of workers in younger age groups who have taken local employment in connection with the oil industry during the year.

Infant mortality showed a slight decrease, and continues to be amongst the lowest on this continent; this in spite of our many housing problems which create a definite hazard to infant life. By far the greatest cause of death in this group is still prematurity. These deaths will be reduced only when expectant mothers seek adequate pre-natal advice and co-operate with their physician to avoid this mishap.

Communicable Disease:

The incidence of communicable disease was the lowest since pre-war years. Chickenpox and measles gave the greatest number of cases. A moderate increase in venereal disease was noted, but the present rate, under prevailing conditions, speaks highly for the control of these diseases maintained by the Provincial Hygiene Clinic.

An epidemic of poliomyelitis, comprising 88 cases, occurred during the summer and fall months. Approximately 50% of these showed no paralysis. It is too early to estimate the number who will have some permanent disability, but it is apparent that the majority of these will suffer no serious handicap.

The Provincial Health Department and the Alberta Tuberculosis Association have done excellent work in surveying our population for tuberculosis. If the cases identified can be adequately controlled and the survey repeated regularly, a marked reduction in this disease may be expected in the near future.

Our Immunization Clinic again showed a marked increase in the number of children protected against various communicable diseases. The attendance at this clinic is chiefly babies and pre-school children, and 7,325 of these were cared for, entailing over 27,000 procedures. A new conquest, due to the efforts of this clinic and our practising physicians who are giving preventive treatments, is the rapid and steady reduction of whooping cough in our city.

Well Baby Clinic:

Attendance at this clinic again showed a marked increase, being 1,437 above the previous year, despite a month's closure on account of poliomyelitis.

Over 3,400 visits were made to homes in the case of young babies which presented special problems, and approximately the same number of telephone calls received requesting advice. We believe this service provides valuable protection for the health of infants, and a comforting guidance for many mothers.

Sanitation:

General sanitary conditions in the City have shown notable improvement. However, a rapidly increasing population and overcrowding of dwellings has brought new and intensified old problems in the disposal of garbage. This matter is at present under discussion by the interested departments of the City Service.

Sanitation of restaurants and other food-handling establishments has, with few exceptions, shown much improvement. New regulations instituted by the Provincial Board of Health in the latter part of the year have facilitated our bacteriological control of these premises. Complaints of food poisoning have become rare.

Daily checking of water and milk supplies has been carried out.

General:

The rapid growth of our population has brought many urgent problems. Overcrowding of dwelling space produces a great variety of insanitary conditions. By the end of another year it is anticipated that both our inoculation and well baby clinics will require more space to operate. Despite the high proportion of hospital beds to citizens, our hospitals have waiting lists. Part of the reason for this is indicated by the fact that of 5,928 mothers confined in our hospitals, one-third were non-residents, and of those hospitalized for communicable diseases, 46% were from outside municipalities. Operating staffs and equipment have required steady expansion, and there is a dearth of trained public health personnel in our province.

However, these problems are being met, and we believe that adequate protection to the health of our citizens is being maintained. Happily, the urgent conditions seem to increase the co-operation of everyone concerned, including our citizens themselves.

It is still our hope that the Provincial Government will extend to us the same financial assistance given by them to health services in other municipalities whose urgent need, we feel, does not exceed our own.

There were 948 children from rural areas given service by our clinics during the year.

We acknowledge gratefully the advice and assistance received from the Provincial Health Department and its various branches. The services of the Provincial Laboratory have been invaluable in control of food sanitation and communicable diseases.

The immediate future, with its promise of new industries and booming population, will bring many new problems for the Local Board of Health; but if all the expanding health services of our city will co-ordinate their future planning and activities, it will also bring a golden opportunity to develop a service which will most effectively assure the good health of our citizens.

Respectfully submitted,

G. M. LITTLE,
Medical Officer of Health.

EXPENDITURE

		1948	1947
1.	Salaries	$ 55,758.72	$ 47,175.70
2.	Supplies	1,518.28	1,367.50
3.	Transportation	5,702.17	5,634.23
4/6.	Telephones, Sundries, Uniforms	1,849.79	1,435.28
7.	Pensions	4,579.93	3,832.03
	(Bathhouse included in Acct. 1 and 2)		
		$ 69,408.89	$ 59,444.74

REVENUE

Permits	$ 496.25		
Meat Inspection	832.50		
Prov. Govt. Grant	2,500.00		
License Dept.	1,500.00		
	$ 5,328.75	5,328.74	5,199.85
		$ 64,080.14	$ 54,244.89

EXPENDITURE CLASSIFIED—1948

	Administration	Communicable Disease	Dairy Inspection	Food Inspection	Laboratory Service	Public Health Nursing	Sanitation	Vital Statistics	Bath House	TOTALS
1. Salaries	$ 9,717.60	$4,952.98	$3,307.54	$4,128.49	$5,846.98	$ 9,397.44	$17,320.15	$980.00	$ 97.68	$55,758.72
2. Supplies	832.70	129.10	6.00	132.63	278.20	47.25	.....	.....	92.40	1,518.28
3. Transportation	460.05	903.04	937.48	285.00	601.74	731.25	1,783.61	.....	.....	5,702.17
4. Telephones	109.20	65.76	18.00	17.76	20.64	59.98	82.20	.....	....	373.54
5. Sundries	357.73	231.10	2.00	60.25	29.00	505.27	55.45	.....	....	1,240.80
6. Uniforms	... .	.. ..	....	.....	.....	37.50	84.10	113.85	....	.....	235.45
7. Pensions	4,579.93	.....	.....	.....	.....	....	.....	... .	.....	4,579.93
	$16,057.21	$6,281.98	$4,271.02	$4,491.49	$6,668.49	$11,056.24	$19,402.51	$980.00	$190.08	$69,408.89
	23.0%	9.5%	6.1%	6.4%	9.6%	15.9%	27.9%	1.4%	.2%	

SUMMARY OF STATISTICS

Area of City, 26,778 acres including 1,000 acres of water and 2,147 acres in Parks.

	1948	1947	1946	1945	1944
Population	126,609	118,541	114,976	111,745	108,416
Persons per acre of land	4.7	4.4	4.2	4.1	4.0
Cost per capita	.51	.45	.44	.41	.39
School enrolment	19,859	19,071	18,988	17,714	17,623
Natural increase of population	2,935	2,920	2,283	1,831	1,622
Total births	5,928	6,019	5,455	4,726	4,286
Resident births only	3,938	3,838	3,251	2,695	2,447
Rate per 1,000 population	31.1	32.3	28.2	24.1	22.6
Total stillbirths	90	109	82	83	61
Resident stillbirths only	54	62	51	53	39
Rate per 1,000 births	13.7	16.1	15.7	19.6	15.9
Total deaths	1,609	1,482	1,576	1,425	1,498
Resident deaths only	1,003	918	968	864	825
Rate per 1,000 population	7.9	7.7	8.4	7.7	7.5
Total deaths under 1 year of age	204	201	197	159	159
Resident deaths under 1 year of age	126	123	111	84	82
Rate per 1,000 living births	31.9	32.0	34.1	31.1	33.5
Maternal deaths (city only)	1	1	5	6	3
Rate per 1,000 births	.25	.27	1.5	2.2	1.2
Marriages	2,490	2,374	2,205	2,098	1,839
Rate per 1,000 population	19.6	20.02	19.1	18.8	17.4

VITAL STATISTICS

Births

	1948	1947
Total births	5,928	6,019
Resident births only	3,938	3,838
Male	2,121	2,008
Female	1,817	1,830
Attended by Physician	3,937	3,834
Attended by Nurse	....	1
Unattended	1	3
Double births	42	39
Resident illegitimate births	188	145

Born in institutions 3,934 or 99.8%; born elsewhere—4.

Maternal Parentage:	1948	1947
Canada	3,463 or 87.9%	3,095 or 84.4%
British Isles	290 or 7.4%	473 or 13.2%
Europe and Asia	114 or 3.0%	161 or 4.2%
U.S.A.	62 or 1.5%	92 or 2.3%
Other countries	9 or .2%	17 or .4%

Age group of mothers—

15 to 19 years	241
20 to 24 years	1,239
25 to 29 years	1,317
30 to 34 years	745
Over 34	386

Stillbirths

	1948	1947
Total stillbirths	90	109
Resident only	54	62
Male	30	31
Female	24	31
Born in institutions	54	62
Born elsewhere	....	....
Cause of Foetal deaths:		
Dystocia	13	23
Prematurity	8	6
Toxaemia of pregnancy	7	5
Malformation	8	9
Placenta and membranes	6	8
Other conditions	11	10
Traumatism and overwork	....	1
Syphilis	1	....

Deaths

	1948	1947
Total deaths	1,609	1,482
Resident deaths only	1,003	918
Male	600	553
Female	403	365

Racial Origin

	1948	1947
Canada	282 or 28.1%	279 or 30.4%
British Isles	399 or 38.8%	355 or 38.6%
Europe and Asia	197 or 19.7%	196 or 21.4%
U.S.A.	65 or 6.6%	40 or 4.4%
Others	60 or 5.8%	48 or 5.2%

INFANT MORTALITY

	1948	1947
Total deaths under 1 year	204	201
Resident deaths under 1 year of age	126	123
Male	80	72
Female	46	51
Infant mortality rate per 1,000 births	31.9	32.0

INFANT MORTALITY, 1948

	SEX			BY MONTH												BY AGE								
	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1- 3 Months	4- 6 Months	7- 9 Months	10-12 Months
9 —Whooping Cough	1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....
24a—Bacteremia	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
27c—Dysentery—Premature	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....
32a—Infectious Hepatitis, bilateral pneumonia	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
84a—Mongolian idiot	1	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	1	....	....	....	....
107 —Broncho pneumonia	10	5	5	....	3	....	2	....	1	1	1	1	1	....	....	....	2	....	....	....	2	1	4	2	1
109 —Pneumonia (unspecified)	3	3	....	....	....	....	....	....	1	....	....	....	2	....	....	....	....	2	....	....	2	....	1	....	....
118 —Acute Malnutrition, pyloric stenosis	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
119a—Gastro Enteritis	16	10	6	1	1	1	5	2	3	....	1	2	....	....	....	....	....	4	1	2	7	8	....	1	....
122a—Congenital diaphragmatic hernia	1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....
128 —Fibrocystic diseases of pancreas	2	1	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	1	....
154b—Chronic, unspecified, osteomyelitis	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....
157b—Spina Bifida, meningocele	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....
157e—Congenital malformation of heart	6	3	3	1	....	....	....	....	....	....	1	....	2	1	1	....	3	1	1	....	5	1	....	....	....
157g—Congenital malformation digestive system	3	1	2	....	....	....	1	....	....	....	....	1	....	....	1	1	1	....	....	....	2	....	1	....	....
157m—Other and unspecified congenital malformations	2	2	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	1	....	1	....	....
159 —Prematurity	44	31	13	2	1	7	7	6	2	1	2	1	3	7	5	29	7	5	2	1	44	....	....	....	....
160a—Intracranial or spinal injuries	5	4	1	1	....	1	....	1	1	....	....	....	....	....	1	2	1	1	....	....	4	....	1	....	....
160c—Other injuries at birth	3	2	1	1	....	....	....	....	....	....	....	....	....	....	2	....	3	....	....	....	3	....	....	....	....
161a—Asphyxia—Atelectasis	17	7	10	2	1	....	4	3	2	1	2	....	....	1	1	13	3	1	....	....	17	....	....	....	....
161c—Other diseases peculiar to 1st year of life	4	2	2	....	....	1	1	....	1	....	1	....	....	....	....	2	....	....	....	1	3	....	1	....	....
182 —Accidental suffocation	1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
195d—Other accidents, aspiration of vomitus	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....
	126	80	46	9	9	12	21	14	13	3	10	6	8	9	12	47	23	16	4	5	95	14	11	4	2

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1948

		Total	M	F	Under 1	1	2	3	4	5 9	10 14	15 19	20 24	25 29	30 34	35 39	40 44	45 49	50 54	55 59	60 64	65 69	70 74	75 79	80 84	85 89	90 94	95 99	100
4. Whooping cough	M	2	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	F	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Tuberculosis of respiratory system	M	26	14	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	4	4	....	....	2	....	1	....	....	....
	F	....	....	12	....	....	....	....	....	....	1	....	1	4	2	....	1	....	....	....	....	2	....	1	....	....	....	....	....
7. All other forms of tuberculosis	M	7	4	....	....	..	....	....	....	....	....	1	....	1	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....
	F	....	....	3	....	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Syphilis	M	5	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	1	....	....	....	....	....
	F	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
14. Other infections or parasitic diseases	M	14	12	....	2	..	1	....	....	..	1	1	2	1	....	1	....	....	1	1	....	1	..	....	....	..	....	....	....
	F	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
15. Cancer and other malignant tumors	M	160	87	....	....	....	....	....	....	....	....	....	....	1	3	3	3	4	8	15	12	10	15	9	3	1	....	....	....
	F	....	....	73	....	....	....	1	....	....	....	....	....	1	1	1	1	5	12	8	10	13	7	6	3	3	....	1	....
16. Nonmalignant tumors or tumors of unspecified nature	M	3	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	F	....	....	2	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
17. Chronic rheumatism and gout	M	3	2	....	....	..	....	....	..	..	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....
	F	....	....	1	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
18. Diabetes mellitus	M	8	2	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....
	F	....	....	6	....	..	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	4	....	1	....	....	....	....	....
19. Chronic or acute alcoholism	M	2	2	....	..	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....
	F	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....
20. Avitaminoses, other general diseases, diseases of blood, and chronic poisonings	M	14	7	....	....	..	1	....	....	..	....	....	....	1	....	1	....	....	....	1	....	1	1	1	....	....	....	....	....
	F	....	....	7	..	..	....	....	....	....	....	....	....	....	....	....	....	3	....	1	....	1	1	1	....	....	....	....	....
22. Intracranial lesions of vascular origin	M	113	54	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	1	9	9	13	8	7	3	1	....	....
	F	....	....	59	....	....	....	....	....	....	....	....	....	....	1	....	3	3	1	6	2	4	9	12	7	7	4	....	....
23. Other diseases of nervous system and sense organs	M	11	6	....	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....	....	....	....	1	1	1	....	....	....	....
	F	....	....	5	1	....	..	....	....	..	....	....	....	....	1	1	1	....	1	....	....	....	....	....	....	....	....	....	....
24. Diseases of the heart	M	291	191	....	....	....	....	....	....	....	....	1	1	....	1	2	7	3	10	28	30	28	24	29	10	11	4	2	....
	F	....	....	100	....	....	....	....	....	....	....	....	1	....	2	2	2	3	4	4	16	17	10	15	9	12	2	1	....
25. Other diseases of circulatory system	M	31	18	....	....	....	..	....	....	....	....	....	....	....	....	....	1	....	....	....	2	4	3	2	4	2	....	....	....
	F	....	....	13	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	1	2	2	3	2	....	....	....
26. Bronchitis	M	5	3	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....
	F	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....
27. Pneumonia and bronchopneumonia	M	48	29	....	8	1	....	....	....	1	....	....	....	....	1	....	....	1	2	....	....	1	3	4	3	3	1	....	....
	F	....	....	19	5	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	2	2	2	2	1	3	1	....

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1948 (Continued)

		Total	M	F	Under 1	1	2	3	4	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
										9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	
28. Other diseases of respiratory system	M	11	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	1	....	....	....	....	....
	F	....	....	6	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	2	....	....	1	1	....	....
29 Diarrhea and enteritis	M	19	12	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	F	....	....	7	6	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
30. Appendicitis	M	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
	F	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....
31. Diseases of liver and biliary passages	M	14	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	2	....	1	1	1	....	....	....	....
	F	....	....	7	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	2	1	....	1	1	....	....	....	....
32. Other diseases of digestive system	M	27	17	....	3	....	....	....	....	....	....	....	....	....	....	....	2	....	2	3	1	1	1	3	1	....	....	....	....
	F	....	....	10	1	....	....	....	....	....	....	....	....	2	....	1	1	....	1	....	1	....	1	1	....	1	....	....	....
33. Nephritis	M	17	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	2	....	1	1	....	1	....	1	....
	F	....	....	9	....	....	....	....	....	....	....	....	1	1	....	1	....	....	1	....	2	2	1	....	....	....	....	....	....
34. Other diseases of urinary and genital systems	M	17	15	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	2	3	....	2	4	2	....	....	....
	F	....	....	2	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
36. Other diseases of pregnancy, childbirth, and the puerperium	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	F	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
37. Diseases of skin, cellular tissue, bones and organs of movement	M	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	F	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
38. Congenital malformations and debility, premature birth, diseases peculiar to the first year of life	M	87	55	....	53	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	F	....	....	32	32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
39. Senility, old age	M	6	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....
	F	....	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	1	....	....
40. Suicide	M	6	4	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	2	....	....	....	....	....	....	....	....
	F	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....
42. Automobile accidents	M	17	10	....	....	....	....	....	1	....	....	....	1	1	....	1	1	1	....	....	1	1	1	1	....	....	....	....	....
	F	....	....	7	....	....	1	....	....	....	....	1	....	....	1	....	1	....	....	1	....	....	....	2	....	....	....	....	....
43. Other violent or accidental deaths	M	31	24	....	2	....	1	....	1	....	1	3	....	2	3	....	2	1	1	1	1	2	1	1	1	....	....	....	....
	F	....	....	7	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....	2	1	....
44. Causes of death ill-defined, unknown, unspecified	M	3	2	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
	F	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Total Male			600	....	80	3	3	1	3	2	2	6	5	10	11	8	19	12	31	60	71	65	68	68	37	25	7	3	....
Total Female			....	403	46	2	1	1	2	1	1	3	4	9	11	7	13	17	21	22	35	48	38	48	26	30	13	4	....
Total Deaths		1003	600	403	126	5	4	2	5	3	3	9	9	19	22	15	32	29	52	82	106	113	106	116	66	55	20	7	....

PRINCIPAL CAUSES OF DEATH. 1948

		1948					1947				
		Total	Male	Female	% of Total Deaths	Rate per 100M Population	Total	Male	Female	% of Total Deaths	Rate per 100M Population
90— 95	Diseases of the heart	291	191	100	29.0	238.5	260	168	92	25.9	219.3
45— 55	Cancer and other malignant tumors	160	87	73	15.9	126.3	143	81	62	15.5	120.6
83	Intracranial lesons of vascular origin	113	54	59	11.1	89.2	85	43	42	9.2	71.7
157-161	Congenital debility, premature birth, diseases peculiar to 1st year of life	87	55	32	8.6	60.8	66	42	24	7.1	55.6
163—198	External causes	57	40	17	5.6	45.8	56	46	10	6.1	47.2
107—108	Pneumonia, broncho pneumonia	48	29	19	4.7	38.7	56	33	23	6.1	47.2
13— 22	Tuberculosis, all forms	33	18	15	3.2	26.0	28	13	15	3.0	23.6
119—120	Diarrhea and enteritis	19	12	7	1.8	15.0	20	12	8	2.1	16.9
130—132	Nephritis	17	8	9	1.6	13.4	27	11	16	2.9	22.8
61	Diabetes Mellitus	8	2	6	.7	6.3	14	7	7	1.5	10.0
		833	496	337	83.0		754	456	299	82.0	

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1948	1003	291	29.0	238.5
1947	918	260	25.9	219.3
1946	968	262	27.0	227.8
1945	864	232	26.8	207.6
1944	825	199	24.1	183.5

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1948	1003	160	15.9	126.3
1947	918	143	15.5	120.6
1946	968	146	15.1	126.9
1945	864	148	17.1	132.4
1944	825	132	16.0	121.7

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1948	1003	113	11.1	89.2
1947	918	85	9.2	71.7
1946	968	97	10.0	84.3
1945	864	93	10.7	83.2
1944	825	84	10.1	77.5

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1948	1003	33	3.2	26.0
1947	918	28	3.0	23.6
1946	968	30	3.0	26.0
1945	864	28	3.2	25.0
1944	825	26	3.1	23.9

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1948	1003	48	4.7	38.7
1947	918	56	6.1	47.2
1946	968	49	5.0	42.6
1945	864	43	4.9	39.3
1944	825	41	4.9	37.8

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	Other Accidents	Percentage of Deaths	Rate Per 100M Population
1948	1003	57	40	17	6	....	17	34	5.6	45.8
1947	918	56	46	10	8	....	17	31	6.1	47.2
1946	968	83	64	19	25	1	17	40	8.3	72.2
1945	864	59	42	17	9	....	11	39	6.8	52.8
1944	825	40	31	9	9	....	9	22	4.8	36.8

ISOLATION HOSPITAL

During the year 1948, seven hundred and eighty patients were admitted. There were 81 outpatients and 16 patients died.

Scarlet Fever	89	Chickenpox	11
Diphtheria	12	Measles	65
Diphtheria carriers	25	Mumps	11
Poliomyelitis	188	Whooping Cough	32
Polio Encephalitis	1	Vincent's Angina	14
Meningitis (meningococcic)	3	Strep. Throat	6
Meningitis (Tuberculosis)	1	Septic Throat	4
Tuberculosis	14	Syphilis	17
Typhoid Fever	3	Gonorrhoea	86
Paratyphoid Fever	5	Vaginitis	3
Erysipelas	34	Other Diseases	156
The deaths included:			
Poliomyelitis	10	Tuberculosis	1
Diphtheria	1	Meningitis (T.B.)	1
Whooping Cough	1	Others	2

SCHOOL MEDICAL SERVICES

	Public School Board	R.C. Separate School Board
Complete examinations	6,110	878
Number reported with defects	2,160	231
Number reported without defects	3,950	647
Parents present at examinations	3.706	450
Homes visited by nurses	912	146
Talks to classes	141	26

IMMUNIZATION RECORD—1948

	Board of Health	Edmonton Public School Board	Edmonton Separate School Board	Private Physicians
Diphtheria				
1st Dose	2,814	....	169	336
Reinforcing Dose	410	....	20	....
Total Doses	10,706	....	507	....
Whooping Cough				
1st Dose	2,717	....	....	369
Reinforcing Dose	1,370	....	....	....
Total Doses	11,554	....	....	....
Scarlet Fever				
1st Dose	699	....	....	21
Reinforcing Dose	181	....	....	....
Total Doses	2,428	....	....	....
Smallpox	1,607	....	250	631
Cholera				
1st Dose	1	....	....	....
Total Doses	2	....	....	....
Tetanus				
1st Dose	8	....	....	....
Total Doses	32	....	....	....
Typhoid				
1st Dose	118	....	....	26
Reinforcing Dose	9	....	....	....
Total Doses	278	....	....	....
Cold Vaccine				
1st Doses	3	....	....	....
Total Doses	7	....	....	....
Dick Test	77	....	....	15
Schick Test	32	....	....	5

IMMUNIZATION CLINIC

No of persons receiving first doses	6,355
No. of persons receiving reinforcing dose	1,970
Total procedures	27,837
Total inoculations, inspections, etc	18,177
No. clinics held	249
Average attendance	73

COMMUNICABLE DISEASE. 1944-1948

	1948		1947		1946		1945		1944	
	C	D	C	D	C	D	C	D	C	D
Chickenpox	927	....	1463	....	934	....	1389	....	1793	....
Diphtheria	2	....	6	....	3	....	2	....	5	....
Diphtheria carriers	12	....	4	....	5	....	5	....	16	....
Dysentery	2	1	....	....	....	....	....	....	....	....
Encephalitis	....	....	3	1	4	2	....	1	....	....
Erysipelas	22	....	17	....	23	....	19	....	17	....
Influenza	....	....	....	2	....	6	....	2	....	6
Hepatitis (infectious)	....	....	1	....	....	....	....	....	....	....
Jaundice (infectious)	....	....	1	....	....	....	....	....	....	....
Malaria	....	....	3	....	....	....	....	....	....	....
Measles	1285	....	925	....	2563	1	444	....	2420	....
Meningitis (Meningococcic)	2	1	2	....	4	....	4	....	3	2
Mononucleosis (infectious)	....	....	1	....	....	....	....	....	1	....
Mumps	196	1	300	....	1378	....	1880	....	397	....
Paratyphoid	7	....	1	....	1	....	....	....	1	....
Paratyphoid carrier	1	....	....	....	....	....	....	....	....	....
Pneumonia (lobar)	....	2	....	5	1	8	2	15	....	9
Poliomyelitis	88	6	....	....	8	....	....	....	5	....
Rubella	118	....	87	....	183	....	277	....	77	....
Scarlet Fever	83	....	79	....	173	....	374	....	1010	1
Septic Sore Throat	2	....	1	....	2	....	7	....	4	....
Tuberculosis (Pulmonary)	140	26	98	20	78	20	64	26	69	20
Tuberculosis (other forms)	....	7	5	8	2	10	....	2	2	6
Typhoid Fever	1	....	....	....	....	....	2	....	....	....
Undulant Fever	1	....	9	....	2	....	3	....	1	....
Vincent's Angina	9	....	7	....	7	....	28	1	20	....
Whooping Cough	364	2	628	2	92	....	237	....	222	2
Venereal Disease—										
Gonorrhoea	808	....	666	....	624	....	479	....	308	....
G. C. Vaginitis	....	....	8	....	3	....	12	....	4	....
Syphilis	95	5	104	5	81	4	108	5	74	6
Type Undetermined	16	....	4	....	12	....	5	....	....	....
	4181	51	4423	48	6201	51	5341	53	6449	53
Morbidity per 1,000 population	33.0		37.2		53.9		47.6		60.3	

C—Cases.
D—Deaths.

Reportable disease was responsible for 51 or 5.08% of the 1,003 City deaths during 1948.

Of the 51 deaths from communicable disease—43 were over 19 years of age, and 33 were due to all forms of Tuberculosis. 5 died from Syphilis.

Of the 4,181 cases of communicable disease, 1,285 or 30.7% were due to Measles; 927 or 22.1% were due to Chickenpox, 364 or 8.7% were due to Whooping Cough and 83 or 1.9% were due to Scarlet Fever.

	No. of Cases	Percent of Cases	No. of Deaths	Percent of Deaths
Pre-school cases—1 to 5 years	1084	26.0	3	5.9%
School cases—6 to 14 years	1716	40.9	3	5.9%
Over 14	1212	29.0	45	88.2%
Age not stated	169	4.1	....	....

COMMUNICABLE DISEASE BY AGE, 1948

	City Cases	Male	Female	Under 1	1/4	5/14	15/19	Over 20	Not Stated	Armed Forces	Non-resident Cases
Actinomycosis	...	...	...	...	...	...	...	...	...	...	1
Chickenpox	927	458	469	47	240	554	25	27	34	...	4
Diphtheria	2	1	1	...	1	1	...	...	...	...	13
Diphtheria Carriers	12	4	8	...	3	5	...	1	3	...	16
Dysentery	2	1	1	...	1	...	...	1	...	...	...
Encephalitis	...	...	...	...	...	...	...	...	...	...	1
Erysipelas	22	10	12	...	...	1	...	21	...	...	9
Lobar Pneumonia	...	...	...	...	...	...	...	...	...	...	1
Measles	1285	628	657	71	414	727	11	28	34	...	32
Meningitis (mening.)	2	2	...	...	2	...	...	...	...	...	...
Mumps	196	93	103	1	37	102	11	27	18	...	4
Paratyphoid	7	...	7	...	...	...	...	7	...	...	...
Paratyphoid Carriers	1	...	1	...	...	...	...	1	...	...	...
Poliomyelitis	88	49	39	...	16	40	9	23	...	...	98
Rubella	118	65	53	27	47	36	2	4	2	...	2
Scarlet Fever	83	36	47	...	23	40	11	5	4	...	9
Septic Sore Throat	2	2	...	...	...	...	...	2	...	...	...
Tuberculosis (pulm.)	140	62	78	...	...	...	6	94	40	...	12
Tuberculosis (other forms)	...	...	...	...	...	...	...	...	...	...	1
Tularemia	...	...	...	...	...	...	...	...	...	...	1
Typhoid	1	1	...	...	...	...	1	...	...	...	3
Undulant Fever	1	1	...	...	...	...	...	1	...	...	4
Vincent's Angina	9	4	5	...	...	6	...	3	...	...	4
Whooping Cough	364	177	187	52	102	199	4	4	3	...	15
Venereal Disease											
Gonorrhoea	808	596	212	...	...	3	78	700	27	...	79
Syphilis	95	48	47	...	...	2	14	75	4	...	14
G. C. Vaginitis	...	...	...	...	...	...	...	...	...	...	3
Type Undetermined	16	7	9	...	...	...	7	9	...	...	...
TOTALS	4181	2245	1936	198	886	1716	179	1033	169	...	326
DEATHS											
Dysentery	1	1	...	...	...	...	...	1	...	...	...
Lobar Pneumonia	2	...	2	...	...	...	...	2	...	...	...
Meningitis (mening.)	1	1	...	...	1	...	...	...	...	...	...
Mumps	1	...	1	...	...	...	...	1	...	...	...
Poliomyelitis	6	6	...	...	...	1	1	4	...	...	...
Syphilis	5	4	1	...	...	...	...	5	...	...	...
Tuberculosis (pulm.)	26	14	12	...	...	1	...	25	...	...	...
Tuberculosis (other forms)	7	4	3	...	1	...	1	4	...	...	...
Whooping Cough	2	1	1	1	...	1	...	...	...	...	...
TOTALS	51	31	20	1	2	3	2	43	...	...	...

COMMUNICABLE DISEASE BY SEASON AND SEX, 1948

	City Cases	Male	Female	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-resident Cases
Actinomycosis	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Chickenpox	927	458	469	90	42	32	173	85	97	76	38	26	25	95	148	4
Diphtheria	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	13
Diphtheria Carriers	12	4	8	.....	2	.....	3	.....	4	.....	.....	3	.....	.....	.....	16
Encephalitis	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Erysipelas	22	10	12	.....	2	4	.....	4	2	1	2	1	1	.....	5	9
Lobar Pneumonia	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Measles	1285	628	657	18	19	62	96	253	328	128	60	11	10	76	224	32
Meningitis (mening.)	2	2	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Mumps	196	93	103	25	27	18	14	19	20	16	15	8	7	15	12	4
Paratyphoid	7	.....	7	1	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....
Paratyphoid Carriers	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Poliomyelitis	88	49	37	1	.....	.....	.....	.....	2	11	29	33	9	3	.....	98
Rubella	118	65	53	8	26	19	5	13	9	8	5	2	3	7	13	2
Scarlet Fever	83	36	47	15	13	16	2	2	1	3	1	3	9	5	13	9
Septic Sore Throat	2	2	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Tuberculosis (pulm.)	140	62	78	3	14	.....	23	24	3	.....	25	9	18	5	16	12
Tuberculosis (other forms)	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Tularemia	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Typhoid	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3
Undulant Fever	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	4
Vincent's Angina	9	4	5	.....	.....	.....	1	.....	2	.....	1	1	.....	2	2	4
Whooping Cough	364	177	187	125	54	61	33	38	25	13	5	3	1	3	3	15
Dysentery	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....
Venereal Disease																
Gonorrhoea	808	596	212	70	68	71	99	59	37	56	71	52	86	70	69	79
Syphilis	95	48	47	6	8	12	4	7	6	6	10	8	7	4	17	14
G. C. Vaginitis	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Type Undetermined	16	7	9	.....	4	5	5	.....	.....	.....	.....	1	1	.....	.....	.....
TOTALS	4181	2245	1936	364	279	300	458	504	544	319	263	163	177	288	522	326
DEATHS																
Dysentery	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Lobar Pneumonia	2	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....
Meningitis (mening.)	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Poliomyelitis	6	6	.....	.....	.....	.....	.....	.....	.....	1	2	3	.....	.....	.....	.....
Mumps	1	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Syphilis	5	4	1	1	.....	.....	.....	1	1	.....	.....	.....	.....	1	1	.....
Tuberculosis (pulm.)	26	14	12	2	1	4	2	3	2	1	1	3	2	4	1	.....
Tuberculosis (other forms)	7	4	3	1	.....	.....	1	1	1	1	.....	1	.....	1	.....	.....
Whooping Cough	2	1	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	51	31	20	4	3	4	4	5	4	4	3	8	4	6	2	.....

TUBERCULOSIS CONTROL

Kinsmen's Club Service:	1948	1947
Total visits by nurse	2585	3098
Visits to T.B. cases	709	821
Visits to suspect cases	125	117
Visits to contact cases	1596	2001
Co-operative visits	115	111
Not seen, moved, etc.	40	48

Provincial Tuberculosis Division:		
Examinations—		
Active cases	61	85
Suspects	123	128
Contacts	339	637
Non-contacts	640	925
Total examinations	3210	3147
Total X-rays	3420	2924
Tuberculin tests made	1703	1718
Tuberculin tests positive	585	638
Mobile X-ray clinic	61699	25669

CHILD WELFARE CLINIC

	1948	1947	1946	1945	1944
Number of clinics held	232	240	200	200	200
Attendance under I year of age	9594	10260	....	....	....
Attendance over 1 year	3793	1690	....	....	....
Total attendance	13387	11950	8167	7420	7356
Average attendance	58	50	41	37	37
New admissions under 1 year	2417	2564	1881	1523	1378
New admissions over I year	784	611	328	281	262
Re-admissions	123	109	97	91	92
Referred to family Doctor	112	107	31	25	45
Out-of-town cases	335	225	153	166	190

Dr. Mildred Newell and Dr. Margaret Collins were in attendance at 80 clinics and saw 763 children.

3,435 home visits were made to young babies and to problem cases. 3,421 telephone calls were answered.

During the year for observation purposes the following were at the Clinic:

13 B.Sc. nurses from the University of Alberta.

83 student nurses from Royal Alex hospital and University Outdoor Clinic.

4 new staff members from the Provincial Department of Health.

VICTORIAN ORDER OF NURSES

	1948	1947	1946	1945	1944
Pre-natal visits	295	171	198	422	545
Obstetrical (nursing care)	6	11	0	8	19
Obstetrical (advice)	1470	1447	1333	1182	1147
Newborn (nursing care)	711	754	657	559	666
Newborn (health supervision)	1358	1303	1796	1654	1373
Pre-natal clinics	50	50	59	51	49
Total attendance	550	528	577	768	982
Average attendance	11	10	12	15	20
Mothers enrolled	114	114	115	136	....

HEALTH INSPECTIONS

•

INSPECTIONS:

	1948	1947
Dwellings	771	1,291
Hotels, lodging houses, apartment blocks	218	232
Schools, blocks, public buildings	12	7
Stores, business establishments	86	141
Food handling establishments	5,562	4,127
Garbage cans, etc.	723	528
Street, lanes, yards, dumps, etc.	398	511
Miscellaneous	1,738	2,120
	9,508	8,957
Re-inspections	382	375
Visits assisting quarantine officer	51	304

NOTICES:

Written	281	438
Verbal	1,540	1,341
Garbage	311	289

COMPLAINTS:

Received from public	609	626
Justified	543	560
Received from other departments	15	17
Referred to other departments	82	88

The complaints were made up as follows:

Garbage, streets, lanes, etc.	218	219
Vermin	37	38
Housing, plumbing and drainage	243	241
Food and drink	49	46
Miscellaneous	63	81

LICENSES:

License applications investigated	2,824	2,669

PLUMBING:

Sewer and water notices issued	12	10
Sewer and water installed, buildings removed, etc.	22	30
Extension of time granted	29	21
Plumbing permits issued	1,928	1,473
Plumbing permits issued for old buildings	36	34
Alterations to existing plumbing (fixtures)	630	540
Privies eliminated through installation of plumbing	36	34
Number of septic tanks installed	14	6

DISINFESTING STATION:

Baths	3,182	3,241
Verminous	6	5
Scabies	198	328
Disinfested	205	332
No. of Men Washing Clothes	2,419	2,196
Units Washed	7,257	6,588

SCAVENGING CLEAN-UP WORK:

Refuse removed during Clean-up Week (cubic yards)	10,360	8,400

ANIMALS, BARNS, STYES:

Cow owners	305	371
Hog owners	83	79
Goat owners	23	31
Fur farm owners	86	84

FOOD:

Samples submitted to Provincial Laboratory	20	54
Foodstuffs condemned (lbs.)	35,937	2,145

WATER:

Water samples taken	54	20
Negative	24	4
*Positive	29	8
*Suspicious	1	4
Wells chlorinated	23	6
Wells placarded	3	1
Ice Samples	5	1
Rinse water samples	22	79

*—Wells condemned or further samples taken after chlorination.

HOUSING:

During the year, 771 dwellings and 218 hotels, lodging houses, apartment blocks, etc., were checked for vermin, overcrowding and other insanitary conditions. Necessary notices were issued.

POISON GAS FUMIGATION:

Hydrocyanic acid gas eliminated vermin from 27 establishments.

ENFORCEMENT OF REGULATIONS:

Prosecutions	....	....

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

	1948	1947	1946
Beef:			
No. of carcasses inspected	3,026	3,942	3,026
Carcasses condemned	20	7	10
Portions condemned	253	385	249
Weight (lbs.) of carcasses and portions condemned	13,340	9,390	8,675
Veal:			
No. of carcasses inspected	1,886	2,953	2,275
Carcasses condemned	10	4	2
Portions condemned	35	64	49
Weight (lbs.) of carcasses and portions condemned	2,440	1,690	940
Mutton:			
No. of carcasses inspected	367	912	1,348
Carcasses condemned	8	9	3
Portions condemned	2	50	65
Weight (lbs.) of carcasses and portions condemned	430	650	270
Pork:			
No. of carcasses inspected	2,831	5,699	3,304
Carcasses condemned	33	58	65
Portions condemned	760	1,965	986
Weight (lbs.) of carcasses and portions condemned	16,540	35,535	24,765
Totals:			
No. of carcasses inspected	8,110	13,506	9,953
Carcasses condemned	71	78	80
Portions condemned	1,050	2,464	1,349
Weight(lbs.) of carcasses and portions condemned	32,750	47,265	34,650

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	25	16	11
Percent	.826	.406	.363
Pork:			
Infected	515	1,128	565
Percent	18.20	19.77	17.10

CHIEF CAUSES OF CONDEMNATION, 1948

Beef:	Carcasses	Portions	Weight Lbs.
Abscess	....	93	1,090
Actinomycosis	3	92	3,310
Bruised	8	....	3,850
Tuberculosis	2	31	1,530
Pneumonia	1	....	450
Not bled	1	....	450
Emaciation	3	....	1,250
Metritis	1	....	400
Peritonitis	1	....	550
Miscellaneous (contamination, parasites, adhesions)	....	37	460
	20	253	13,340

Veal:	Carcasses	Portions	Weight Lbs.
Abscess	....	12	125
Actinomycosis	....	5	75
Bruised	4	....	900
Tuberculosis	....	2	30
Emaciation	4	....	850
Pneumonia	1	....	250
Miscellaneous (adhesions, jaundice, parasites, immaturity)	10	16	210
	10	35	2,440

Mutton:			
Abscess multiple	2	....	90
Emaciation	4	....	200
Peritonitis	1	....	60
Miscellaneous (bruised, abscess)	1	2	80
	8	2	430

Pork:			
Abscess multiple	7	....	1,150
Adhesions	....	37	515
Arthritis	3	....	550
Bruised	1	28	595
Contamination	....	42	695
Tuberculosis	5	583	9,240
Pregnancy	1	....	500
Rhinitis	6	5	1,050
Jaundice	2	....	350
Sexual odor	1	....	400
Miscellaneous (abscess, dying condition, parasites, abscess peritonitis, bull nose, not bled, peritonitis, pneumonia, hernia and inflammation)	7	65	1,495
	33	760	16,540

DISEASED ANIMALS

	1948	1947	1946
Beef	245	329	227
Veal	38	63	38
Mutton	6	37	63
Pork	605	1,486	788
Total amount of meat condemned (lbs.)	32,750	47,265	34,650

FOODSTUFFS CONDEMNED BY INSPECTORS

Canned goods	1	43	111
Fruit and vegetables	30,085	....	3
Meat	....	140	256
Fish	65	....	....
Poultry	270	167	198
Cheese	....	....	2
Damaged by fire	5,502	1,789	279,133
Sundries	14	6	7
Total (lbs.)	35,937	2,145	279,710

DAIRY INSPECTION

1948

Certificates issued, Producer-distributors, raw milk	10
Certificates issued, Producer-shippers, milk	335
Certificates issued to Pasteurization plants	5
Inspection of Producer-distributors' Dairies	34
Inspection of Producer-shippers' Dairies	888
Inspection of Pasteurization plants	39
New dairy barns erected	16
Dairy barns remodelled	7
New milk houses erected	24
Certificates suspended temporarily	329
Certificates suspended indefinitely	....
Applications for certificates of registration refused	1
Permits issued to cow keepers in the city	363
Retail milk certificates issued	475
Chlorine tests at dairy farms	26

During 1948, the number of producer-distributors of raw milk decreased from ten to four, and 98 per cent of the Edmonton milk supply is now pasteurized.

LABORATORY REPORT

The number of retail bottled samples taken during the year either from delivery wagons or at the plants was 891. These samples were examined for butterfat content, solids-not-fat, sediment and flavor. Methylene blue and standard plate counts were also run on them. The pasteurized milk was also tested by means of the phosphatase test to ensure adequacy of pasteurization. The results of these tests are shown in tabular form.

In the first table the bacterial results of all retail samples are classified.

Table No. 1, Retail Milk Samples—Bacteria Counts

	Below 15,000	15,000/ 40,000	40,000/ 100,000	100,000/ 300,000	Over 300,000	Spreader	Total
January	32	17	14	2	2	....	97
February	45	10	17	7	....	....	79
March	68	8	2	1	....	....	79
April	29	6	3	2	3	....	43
May	40	10	6	3	2	....	61
June	39	14	17	5	10	1	86
July	21	16	5	4	10	1	57
August	53	21	15	7	4	....	100
September	41	18	6	5	4	1	75
October	11	12	10	3	....	3	39
November	63	15	6	3	3	....	90
December	28	15	8	1	3	....	55
	470	162	109	43	41	6	831
Percentage	56.57	19.49	13.11	5.17	4.93	.73	100.00%

Table No. 2

	Below 15,000	15,000/ 40,000	40,000/ 100,000	100,000/ 300,000	Over 300,000	Spreader	Total
Raw Milk.....	89-37.39%	56-23.54%	50-21.0%	19-7.98%	23-9.66%	1- .42%	238
Pasteurized	111-56.2	42-21.4	21-10.7	9-4.6	10-5.1	3-2.0	196
Jersey	59-66.1	16-16.2	9- 9.4	5-5.4	2-1.9	1-1.0	92
Homogenized	211-69.2	48-15.7	29- 9.6	9-2.9	7-2.3	1- .3	305
	470	162	109	43	41	6	831

Table No. 3

Retail samples, butterfat.....	891	(62 were under 3.25% butterfat)
Retail samples, solids not fat.....	891	
Retail samples, sediment	889	
Special creams	30	
Special milks	36	
Chocolate milks	86	
Phosphatase tests	647	

Table No. 4, Bacteria Counts—Special Milks and Creams

Special creams	32, 16 under 15,000 per c.c.
Special milks	76, 49 under 15,000 per c.c.
Chocolate milks	86, 66 under 15,000 per c.c.
Ice cream samples	67, 23 under 15,000 per c.c
Rinse bottles	....
Special milks for coliform organisms.....	241

Table No. 5—Methylene Blue Tests

	Number	Under 5½ Hours
Producer's Milk	14,171	1,611
Retail samples	891	.....
Special tests	118	.....

Regular inspection and supervision of the swimming pools, both City and privately owned, was carried on throughout the year. Test solutions and apparatus were supplied for their use and samples routinely taken for examination besides various tests carried on at the pools. Of the 210 samples taken for bacteria count 131 were from the City and 79 from private pools. Of these, 24 gave counts of over 200 per c.c. and 21 samples showed the presence of coliform organisms.

Of the 294 examinations of samples of tap water at the Provincial Laboratory one was spoiled by growth of spreaders and 24 gave counts of over 50. Seven samples showed the presence of coliform organisms. It was decided after investigation that five of these positive tests, all taken within a week, did not reflect the condition of our general water supply but were due to technical difficulties encountered when the new treatment plant was put in use.

General supervision was also given to the water precipitation and sewage treatment plants. Chlorine tests were made almost daily on the tap water and closest collaboration maintained at all times with the staff of the water treating plant.